

21 Jan. 1968

Kilauea Pt., Kauai

Personnel: John H. Fitch and

George Young

Itinerary: 21 Jan. 1430 Arrive Kauai

1630 Arrive Kilauea Pt.

counts
begin population

1800 End ^{counts} population

1930 Begin sera

collections
and banding

2100 End sera

collections
and banding

22 Jan. 0630 Begin
observations
~~pop. counts~~

0900 End

observations

~~1340 Dep.~~

0930 Depart
Kilauea Point

1340 Depart
Kauai.

Weather: Cloudy and raining
at Airport, Slightly overcast
with no rain at Makapili
Cliffs - heavy rains on night
of 22nd.

Vegetation: Very high and
lush - areas heavily used
by RFB and brown - with
no leaves - grass around
point six to seven
inches high Carex usually
bare during WTS season

Red-footed Booby

21 January 1968

1 RFB was seen from
airplane approx 5 miles
~~west~~ east of Kauai

Red-footed Boobys
Colony B

21 January 1968 Across Cove

From Kalauea Pt., Count

at 1730 : 70 ± 10 , Count

at 1900 : 120 ± 10 , Count

at :

22 January 0630

130

Red-footed Booby
Colony C

21 January 1968

1710 Count:

| <u>Adults</u> | <u>Subad</u> | <u>imm</u> |
|--------------------|----------------|------------|
| 42 42 | 3 3 | 0 |
| 55 55 | 5 5 | 0 |
| 42 42 | 4 | 0 |
| 157 157 | 4 | 2 |
| <hr/> | | |
| 346 | 16 | 2 |

estimated # nests : 20-30

1800 Count:

| <u>Adult</u> | <u>Sub</u> | <u>imm.</u> |
|--------------|------------|-------------|
| 108 | 5 | 2 |
| 62 | 8 | 3 |
| 47 | 4 | 1 |
| 211 | 11 | 7 |
| <hr/> | | |
| 428 | 28 | 13 |

108 - below - ^{5 - 2} on beach in trees

62 - to main clumps ^{8 - 3}

47 - S. side ^{4 - 1} landslide

211 - next ^{11 - 7}

428

28

13

~~192~~

~~13~~

9

102

15

8

78

8

5

38

3

0

234

~~18~~

11

644

57

33

272

Red-footed Booby
 Colony C
21 Jan. 1968 Makapili Cliffs
 1830 Count

| <u>Adult</u> | <u>Subad.</u> | <u>Imms</u> |
|--------------|---------------|-------------|
| 192 | 13 | 9 |
| 102 | 15 | 8 |
| 78 | 8 | 5 |
| <u>272</u> | <u>20</u> | <u>10</u> |
| 644 | 57 | 33 |

22 January 1968 Makapili Cliffs

| <u>Adult</u> | <u>Subad.</u> | <u>Imms</u> |
|--------------|---------------|-------------|
|--------------|---------------|-------------|

Brown Booby

21 January 1968 Makapiti Cliffs
1800. ~~121~~ Brown Boobies were
seen on ledges under RFB
Colony C at 1710 a total of
86 were counted in the
same area.

1830 183 B. Boobies

Great Frigate

21 Jan. 1968

1700: 64 observed on Makapele Cliffs in Colony C including 26 ♂♂ (7 with inflated gular pouches), 6 immatures and 32 ♀♀

1800: 72 observed on Makapele Cliffs -

3 Frigate chases observed involving 1 WTTB and 2 adult boobies - all chases unsuccessful

Frigates roosting among boobies

WTTB

21 January 1968 Makapele Cliffs

2 individuals seen separately

- the first was seen with

a frigate chasing it -

the second was flying in

the vicinity of the RFB Colony C

No individuals were seen

on Lihue Cliffs

CP

21 January 1968 Makapili Cliffs
several CP were seen in
pasture area

Meadowlark

21 January 1968 Makapili

Several Meadowlarks were
heard in pasture area on
cliffs

| <u>Sera #</u> | <u>Band #</u> | <u>Sex</u> |
|----------------------|-------------------------------|----------------|
| 1 a, b, c | TPN 767-44531 | ♂ |
| 2 | TPN 39 | ♂ ♂ |
| 3 | TPN 38 | ♀ |
| 4 | TPN 587- 587-84801 | ? |
| 5 | 757-61431 | ? |
| 6 | 39 | ♂ |
| 7 | 767 50333 | |
| 8 | 40 | ♂ |
| 9 | 41 | ♂ |
| 10 | 42 | ♂ |
| 11 | 43 | ♀ |
| 12 | 5879 58790112 | |
| 13 | 44 | ♀ |
| 14 | 45 | ♂ |
| 15 | 46 | ♂ |
| 16 | 767-44 5 47 | ♀ |

FL

Bands used

767-44537 - 47 >
(11 bands)

Returns:

| | |
|-----------------------------|---------|
| ✓ 587-90112 | Apr. 66 |
| ✓ 757-61431 | May 66 |
| ✓ 767-44531 | Dec 67 |
| ✓ 767-50333 | Dec 66 |
| ✓ 587 757 -84801 | Aug 67 |

29 April 1968

Kilauea Pt., Kauai

Fitch

Area #1: near begin of trail near
1st cliff

Area #2: near 1st earthen ledge

Area #3: above

587-84943 - Bands Used

Bled

Makapili Chffs

| | | | |
|-----|------------------------------|-----------|---|
| 1 | ♀ w ^{nt} sm ck | 587-84943 | } |
| +2 | ♀ w smnk ck | 587-84801 | |
| 3 | ♀ w smnk ck | 587-84944 | |
| 4 | ♀ w smnk ck | 587-84945 | |
| +5 | ♂ w legs | 757-61431 | } |
| 6 | ♀ w 1 legdy ck | 587-84946 | |
| 7 | ♀ w smnk ck | 47 | |
| +8 | ♀ w smnk ck | 757-61178 | |
| +9 | ♀ w smdy ck | 767-50376 | } |
| 10 | ♂ w legs | 48 | |
| +11 | ♀ w 1 smnk ck | 757 89260 | |
| +12 | ♀ w 1 smnk ck | 767 47523 | |
| 13 | ♀ w sm 1 legdy ck | 49 | |
| 14 | ♀ w 1 smnk ck | 50 | |
| 15 | ♀ w 1 smnk ck | 587-80737 | |
| 16 | ♀ w 1 smnk ck | 51 | |
| 17 | ♀ w 1 smdy ck | 52 | |
| 18 | ♀ w 1 smnk ck | 53 | |
| 19 | ♂ w empty nest | 54 | |
| 20 | ♀ w 1 smnk ck | 587-80755 | |

* 6 nests all w sm nk cl

#2

Not bled Nakapili chicks

- +21 ♀ w 757 89232
- 22 ♂ sitting alone 57
- +23 ♀ w 757-61426
- 24 imm. dk ph. pink bill 58
- +25 ♂ u empty nest 767 44536
- 26 ♀ w legs 60
- 27 ♂ on empty nest 61
- +28 ♀ w smnk ek 767-50378
- 29 ♀ w legs 63
- +30 ♀ w smnk ek 757 60885
- 31 ♀ " " 64
- +32 ♀ " " 757 60865
-
- 33 ♀ w smnk ek 56
- 34 ♀ " " 59
- 35 ♀ " " 62
- 36 ♀ 65

$$\begin{array}{r} 41 \\ 102 \\ 85 \\ 522 \\ \hline 750 \end{array}$$

Colony B: 91 6:00 A.M.

Colony B': 77

Colony C: 6:30 A.M.

1.) Completely across overhang:

211

2.) Forest below dff: 94

3.) Area between slides: 28

4.) Area exposed: 128

5.) Lower dffs: 19

Colony A: 7:00 A.M.

33 adults

| | |
|-------|----|
| 3 | |
| 211 | |
| 94 | 5 |
| 28 | 16 |
| 128 | 9 |
| 19 | 5 |
| <hr/> | |
| 480 | |

June 24-25, 1968

Kilauea Pt, Kauai

Fitch

Makapili Cliffs, June 24, 1968

Found over 50 WTS dead near burrow sites, some broken eggs, three adults incubating and apparently healthy - one Mynah also found dead - near one of the WTS. Most of WTS ~~had~~ had been dead for at least one week - most had been gnawed by rodents - some dead WTS in open areas others in dense vegetation

Colony C
Makapili Cliffs

June 24, 1968

~~5:30~~ 5:30

6:00

178

184

84

92

122

143

384

419

24-25 June 1968.
Kilauea Pt, Kauai
Fitch

H881-21 RFB

H8822-40 WTS

587-84966 -

- ① bb ♀? roosting
- ② WTS on egg
- ③ WTS roosting
- ④ 67
- ⑤ 68
- ⑥ 69
- ⑦ 70
- ⑧ 71
- ⑨ 587-84948
- ⑩ 72
- ⑪ 73
- ⑫ 74
- ⑬ 75
- ⑭ 76
- ⑮ 77
- ⑯ 78
- ⑰ 79
- ⑱ WTS on egg
- ⑲ WTS on egg

(20)
(21)

WTS roosting

WTS " "

(22)

WTS on egg

Kilauea Pt

24 June 1968

Wedge-tailed Shearwaters

- #1 - 705 - 11226
- #2 - 645 - 65523 - RETURN
- #3 - 635 - 26176 RETURN
- #4 705 - 11227
- 705 - 11228 LOST
- #5 705 - 11229
- #6 - 705 - 112230
- #7 - 705 - 112231
- #8 705 - 112232

705 - 11233 THRU 11248

Banded

Bands Used - WTS

705-112⁴⁹~~50~~ + 011285 (3⁷~~0~~)

Bled: 50

Bands Used - RFB

767-44548 + 0445⁶⁹~~5~~ (2²²~~0~~)

Returns - RFB - 3

587-84956

587-84412

757-60885

Bled: (25)

Kilauea Pt. Kauai

July, 1968

J. Fitch

Returns WTS 19

705-11225 on egg

635-26148 - 615-05033

645-16227

on egg

615-15871 - 705-~~11253~~ * New

Roosting

635-26102

"

"

645-07522

"

"

624-94612

"

"

635-20571

"

"

615-05061 - 705-11256

"

"

645-16217

"

"

635-26163

"

"

645-16510

on egg

615-05067

"

"

645-07522

roosting

~~635-25505~~

635-25505

roosting

705-~~11278~~ - 615-06429

524-94651 - 705-11281 roosting

635-26147

nesting

645-25547 on egg, not bled

Wedge-tailed Shearwater

Kilauea Pt, Kauai

July 28, 1968

- 1 WTS * 705-11225 on egg #5
- 2 " - 705-11250 #6
- 3 " * ~~635-26148~~ - 615-05033
- 4 " - 705-11251
- 5 " - 705-11252 #7
- 6 " - ~~705-11253~~ ~~615-05033~~
- 7 " - ~~645-16227~~ #8
- 8 # - ~~615-15871~~
- 9 " - 705-~~635-20102~~ { 705-253 }
- 10 " - ~~705-11254~~ R 645-07532
- 11 " - R 705-11254
- 12 " - R 705-11255
- 13 " - 705-112 R 624-94612
- 14 " - ~~705-112~~ R 625-20571
- 15 R 615-05061 - 705-11256
- 16 R 645-16217
- 17 R 705-11257
- 18 R 705-11258

WTS continued Milauea Pt, July 28, 1968

WTS

19^R 705 - 112259

20 ~~R~~ 635 - 26163

21^R 705 - 112260

22^R 705 - 112261

23^R 705 - 112262 → 63?

24^R 705 - 112264

25^N 705 - 112265

26^N 645 - 16510

27^N 705 - 112266

28^N 705 - 112267

29^N 705 - 112268

30 ~~R 705 - 112269~~ 615 - 05067

31^R 705 - 112269

32^R 705 - 112270

33^N 705 - 112271

34^N 705 - 112272

35^R 705 - 112273

36^f 645 - 07522

37^R 705 - 112274

FB continued Kilauea Pt., July 28

| | | |
|-------------|-----------|-------------------------|
| ①70 | Subad/imm | 65 64 |
| ②71 | ad | 65 65 |
| ③72 | ad | 66 66 |
| ④73 | Subad/imm | 67 67 |
| ⑤74 | subad/imm | 68 68 |
| ⑥ <u>75</u> | subad/imm | 69 <u>69</u> |

-767-44569 end -

Red-footed Booby Kilauea Pt., July 28, 1968

Sera #

Band #

| | | | |
|------|------------------|---------------|------------|
| ① 51 | ad | 767-44548 | ? roosting |
| ② 52 | ad ad | 49 | " " |
| ③ 53 | subad | 50 | " " |
| ④ 54 | imm. | 51 | |
| ⑤ 55 | subad | 52 | " " |
| ⑥ 56 | imm | 53 | " " |
| ⑦ 57 | subad | 54 | " " |
| ⑧ 58 | subad | 55 | |
| ⑨ 59 | lg dwyck | 56 | |
| ⑩ 60 | subad | 57 | |
| ⑪ 61 | lg dwyck | 58 | |
| ⑫ 62 | subad | 59 | |
| ⑬ 63 | subad/imm | 60 | |
| ⑭ 64 | ad | 61 | |
| ⑮ 65 | 587-84956 | 62 | |
| ⑯ 66 | subad/imm | 62 | |
| ⑰ 67 | subad/imm, | 62 | |
| ⑱ 68 | ad | 587-84412 | |
| ⑲ 69 | ad | 757 60885 | |

Wedge-tailed Shearwater

July 28, 1968

Makapili Cliffs, Kilauea Point, Kauai

WTS - 645-26547 on egg

A - un

Tail sl.

WTS continued Kilanea Pt., July 28, 1968

635-25505

38 WTS - ~~705-112273~~

39R ~~705-112275~~ Mortality

40R 705-112276

41R 705-112277

42R 705-112278-615-06429

43R 705-112279

44R 705-112280

45R 524-94651-705-112281

46R 705-112282

47R 705-112283

48R ~~705-112284~~ 635-26147

49R 705-112284

50R 705-112285

Red-footed Booby
27 Aug 1968

Kilauea Pt., Kauai

| | | |
|----|-----------------|----------|
| ① | - 767-44556 | Subad |
| ② | - 767-44553 | " " |
| ③ | - 767-44559 | " " |
| ④ | - 767-44561 | " " |
| ⑤ | 767-44570 (new) | " " |
| ⑥ | " " 71 | " " |
| ⑦ | " " 72 | " " |
| ⑧ | " " 73 | " " |
| ⑨ | " " 74 | " " |
| ⑩ | " " 75 | " " |
| 11 | Released | Subadult |
| 12 | Released | " " |
| 13 | Released | " " |
| 14 | 76 | " " |
| 15 | 77 | " " |
| 16 | 78 | " " |
| 17 | 79 | " " |

24 Aug

7:25 PM

Over Cast

Colony B

66 adult

8 sub

4 imm

B₁

62 Adult

~~6~~ ~~imm~~ sub

4 imm

27 Aug

5:30 PM Clear

Colony B

16 Adults

5 sub

4 imm

B₁

12 adult

5 sub

5 imm

27 530 PM

Along A

6 Adult

4 sub

4 imm

25515

1 645 07539

21 97

2 705-11286A

22 98

3 870

23 99

4 635-26139

24 300

5 645-16515

25 321

6 88

26 322

7 645-07523

27 323

8 625-32399

28 324

9 645-07554

29 325

10 89

30 326

11 90

31 327

12 91

32 328

13 92

33 329

14 93

34 330

15 645-25515

35 331

16 94

36 635-26173

17 95

37 61506364

18 635-26177

38 645-22059

19 96

39 340

20

40

40 341

41 342

42 343

43 1645⁻05038

44

(38)

~~131~~ MDC

705-11332

33

34

35

36

37

38

39

MDC

note:

Around the seaward end of the cliff only one surviving young was seen and banded. The eastern slope appears very successful. seven chicks banded.

Two white tailed tropic bird nests located approx 30 feet down on the western side of cliff. Both nesting areas are inaccessible.